WEST Search History

DATE: Thursday, October 09, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=NO; OP=OR			
L14	arg adj phe adj glu adj phe adj ile adj pro	0	L14
L13	L12 and bacillus	37	L13
L12	(fusion adj protein) and L11	58	L12
L11	phage near10 toxin	117	L11
L10	l5 and L9	19	L10
L9	bacillus near5 toxin	1050	L9
L8	L5 and bacillus	336	L8
L7	L6 and bacillus	2	L7
L6	L5 near10 toxin	2	L6
L5	phage near5 fusion near5 protein	878	L5
L4	l3 and phage	134	L4
L3	L2 and bacillus	209	L3
L2	toxin near10 l1	644	L2
L1	fusion near5 protein	32003	L1

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 12:23:40 ON 09 OCT 2003)

FILE 'REGISTRY' ENTERED AT 12:23:59 ON 09 OCT 2003

L1	0	S	RFEFIPVTATLE/SQEP
L2	35	S	RFEFIPVTATLE/SQSP

FILE 'CAPLUS' ENTERED AT 12:26:44 ON 09 OCT 2003

L3	20	S	L2
L4	5	S	L2 AND FUSION
L5	3	S	(BACILLUS AND TOXIN) AND L4

FILE 'STNGUIDE' ENTERED AT 12:29:50 ON 09 OCT 2003

FILE 'MEDLINE, CAPLUS, EMBASE, BIOSIS' ENTERED AT 12:33:15 ON 09 OCT 2003

L6	135816	S	FUSION(2A)PROTEIN#
L7	4573	S	PHAGE(5A)VECTOR#
L8	323	S	L7 AND L6
L9	1429	S	L6(10A) TOXIN
L10	0	S	L9 AND L7
L11	4080	S	L6 AND TOXIN
L12	3	S	L11 AND L7
L13	117	S	PHAGE AND FUSION AND TOXIN
L14	14	S	L13 AND BACILLUS

L14 ANSWER 1 OF 14 MEDLINE on STN
AN 1999270958 MEDLINE
DN 99270958 PubMed ID: 10338505
TI Disruption of anthrax **toxin** binding with the use of human antibodies and competitive inhibitors.
AU Cirino N M; Sblattero D; Allen D; Peterson S R; Marks J D; Jackson P J; Bradbury A; Lehnert B E
CS Life Sciences Division, Los Alamos National Laboratory, Los Alamos, New Mexico 87545, USA.
SO INFECTION AND IMMUNITY, (1999 Jun) 67 (6) 2957-63.
Journal code: 0246127. ISSN: 0019-9567.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199906
ED Entered STN: 19990714
Last Updated on STN: 19990714
Entered Medline: 19990628

L14 ANSWER 2 OF 14 MEDLINE on STN
AN 1998353391 MEDLINE
DN 98353391 PubMed ID: 9687463
TI **Phage** display of a biologically active **Bacillus** thuringiensis **toxin**.
AU Kasman L M; Lukowiak A A; Garczynski S F; McNall R J; Youngman P; Adang M J
CS Department of Entomology, University of Georgia, Athens, Georgia 30602, USA.
SO APPLIED AND ENVIRONMENTAL MICROBIOLOGY, (1998 Aug) 64 (8) 2995-3003.
Journal code: 7605801. ISSN: 0099-2240.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199809
ED Entered STN: 19981006
Last Updated on STN: 19981006
Entered Medline: 19980924

L14 ANSWER 3 OF 14 MEDLINE on STN
AN 97388302 MEDLINE
DN 97388302 PubMed ID: 9247136
TI **Phage** display of **Bacillus** thuringiensis CryIA(a) insecticidal **toxin**.
AU Marzari R; Edomi P; Bhatnagar R K; Ahmad S; Selvapandiyan A; Bradbury A
CS Dipartimento di Biologia, Universita' degli Studi di Trieste, Italy.. marzari@icgeb.trieste.it
SO FEBS LETTERS, (1997 Jul 7) 411 (1) 27-31.
Journal code: 0155157. ISSN: 0014-5793.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199709
ED Entered STN: 19970922
Last Updated on STN: 19970922
Entered Medline: 19970911

L14 ANSWER 4 OF 14 MEDLINE on STN
AN 90215176 MEDLINE

DN 90215176 PubMed ID: 2323547
TI Heterologous expression of a mutated **toxin** gene from **Bacillus** thuringiensis subsp. tenebrionis.
AU Rhim S L; Jahn N; Schnetter W; Geider K
CS Max-Planck-Institut fur medizinische Forschung, Abteilung Molekulare Biologie, Heidelberg, F.R.G.
SO FEMS MICROBIOLOGY LETTERS, (1990 Jan 1) 54 (1-3) 95-9.
Journal code: 7705721. ISSN: 0378-1097.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199005
ED Entered STN: 19900622
Last Updated on STN: 19900622
Entered Medline: 19900518

L14 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:350407 CAPLUS
DN 131:128803
TI Disruption of anthrax **toxin** binding with the use of human antibodies and competitive inhibitors
AU Cirino, Nick M.; Sblattero, Daniele; Allen, David; Peterson, Scott R.; Marks, James D.; Jackson, Paul J.; Bradbury, Andrew; Lehnert, Bruce E.
CS Life Sciences Division, Los Alamos National Laboratory, Los Alamos, NM, 87545, USA
SO Infection and Immunity (1999), 67(6), 2957-2963
CODEN: INFIBR; ISSN: 0019-9567
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:546875 CAPLUS
DN 129:256453
TI **Phage** display of a biologically active **Bacillus** thuringiensis **toxin**
AU Kasman, Laura M.; Lukowiak, Andrew A.; Garczynski, Stephen F.; McNall, Robecca J.; Youngman, Phil; Adang, Michael J.
CS Department of entomology, University of Georgia, Athens, GA, 30602, USA
SO Applied and Environmental Microbiology (1998), 64(8), 2995-3003
CODEN: AEMIDF; ISSN: 0099-2240
PB American Society for Microbiology
DT Journal
LA English
RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1993:642941 CAPLUS
DN 119:242941
TI Directed evolution of novel binding proteins
IN Ladner, Robert Charles; Guterman, Sonia Kosow; Roberts, Bruce Lindsay; Markland, William; Ley, Arthur Charles; Kent, Rachel Baribault
PA Protein Engineering Corp., USA
SO U.S., 189 pp. Cont.-in-part of U.S. Ser. No. 487,063, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5223409	A	19930629	US 1991-664989	19910301
	EP 768377	A1	19970416	EP 1996-112867	19890901
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	EP 1026240	A2	20000809	EP 2000-106289	19890901
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	IL 120939	A1	20010724	IL 1989-120939	19890901
	WO 9206191	A1	19920416	WO 1991-US7099	19910927
	W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MN, MW, NL, NO, PL, RO, SD, SE, SU, US				
	RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	AU 9187404	A1	19920428	AU 1991-87404	19910927
	CA 2105300	AA	19920902	CA 1992-2105300	19920227
	WO 9215677	A1	19920917	WO 1992-US1456	19920227
	W: AU, CA, DK, FI, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
	AU 9215456	A1	19921006	AU 1992-15456	19920227
	EP 575485	A1	19931229	EP 1992-908057	19920227
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
	JP 07501923	T2	19950302	JP 1992-507558	19920227
	EP 1279731	A1	20030129	EP 2002-15673	19920227
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC				
	CA 2105303	AA	19920902	CA 1992-2105303	19920228
	CA 2105304	AA	19920902	CA 1992-2105304	19920228
	WO 9215605	A2	19920917	WO 1992-US1501	19920228
	WO 9215605	A3	19921223		
	W: AU, CA, FI, JP, NO, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
	WO 9215679	A1	19920917	WO 1992-US1539	19920228
	W: AU, CA, FI, JP, NO				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
	AU 9215787	A1	19921006	AU 1992-15787	19920228
	AU 9215816	A1	19921006	AU 1992-15816	19920228
	EP 573603	A1	19931215	EP 1992-908481	19920228
	EP 573603	B1	20030625		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
	EP 573611	A1	19931215	EP 1992-908799	19920228
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
	JP 06510522	T2	19941124	JP 1992-508204	19920228
	JP 07501203	T2	19950209	JP 1992-508216	19920228
	JP 3447731	B2	20030916		
	JP 2003159086	A2	20030603	JP 2002-238311	19920228
	EP 1325931	A1	20030709	EP 2003-399	19920228
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC				
	AT 243710	E	20030715	AT 1992-908481	19920228
	US 5403484	A	19950404	US 1993-9319	19930126
	US 5571698	A	19961105	US 1993-57667	19930618
	US 5663143	A	19970902	US 1994-358160	19941216
	US 5837500	A	19981117	US 1995-415922	19950403
	US 2002150881	A1	20021017	US 2001-781988	20010214
	US 2003113717	A1	20030619	US 2001-893878	20010629
	US 2003175919	A1	20030918	US 2002-38722	20020108
PRAI	US 1988-240160	B2	19880902		
	US 1990-487063	B2	19900302		
	EP 1989-910702	A3	19890901		
	EP 1996-112867	A3	19890901		
	IL 1989-91501	A3	19890901		
	WO 1989-US3731	A	19890901		
	US 1990-589657	A2	19900928		
	US 1991-664989	A	19910301		

US	1991-715834	A	19910617
WO	1991-US7099	A	19910927
EP	1992-908057	A3	19920227
WO	1992-US1456	A	19920227
EP	1992-908481	A3	19920228
JP	1992-508216	A3	19920228
WO	1992-US1501	A	19920228
WO	1992-US1539	A	19920228
US	1993-9319	A2	19930126
US	1993-133031	B2	19931013
US	1994-358160	A2	19941216
US	1995-415922	A1	19950403
WO	1995-US16349	W	19951215
US	1997-993776	A1	19971218
US	1998-192067	B1	19981116
US	1999-849406	A1	19990721

L14 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1990:492695 CAPLUS
DN 113:92695
TI Heterologous expression of a mutated **toxin** gene from **Bacillus** thuringiensis subsp. tenebrionis
AU Rhim, Seong Lyul; Jahn, Norbert; Schnetter, Wolfgang; Geider, Klaus
CS Abt. Mol. Biol., Max-Planck-Inst. Med. Forsch., Heidelberg, D-6900, Germany
SO FEMS Microbiology Letters (1990), 66(1-3), 95-9
CODEN: FMLED7; ISSN: 0378-1097
DT Journal
LA English

L14 ANSWER 9 OF 14 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
AN 1999185644 EMBASE
TI Disruption of anthrax **toxin** binding with the use of human antibodies and competitive inhibitors.
AU Cirino N.M.; Sblattero D.; Allen D.; Peterson S.R.; Marks J.D.; Jackson P.J.; Bradbury A.; Lehnert B.E.
CS B.E. Lehnert, MS M888, Los Alamos National Laboratory, Los Alamos, NM 87545, United States. lehnert@telomere.lanl.gov
SO Infection and Immunity, (1999) 67/6 (2957-2963).
Refs: 54
ISSN: 0019-9567 CODEN: INFIBR
CY United States
DT Journal; Article
FS 004 Microbiology
026 Immunology, Serology and Transplantation
LA English
SL English

L14 ANSWER 10 OF 14 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
AN 1998263680 EMBASE
TI **Phage** display of a biologically active **Bacillus** thuringiensis **toxin**.
AU Kasman L.M.; Lukowiak A.A.; Garczynski S.F.; McNall R.J.; Youngman P.; Adang M.J.
CS M.J. Adang, Department of Entomology, University of Georgia, Athens, GA 30602, United States. Adang@arches.uga.edu
SO Applied and Environmental Microbiology, (1998) 64/8 (2995-3003).
Refs: 43
ISSN: 0099-2240 CODEN: AEMIDF
CY United States

DT Journal; Article
FS 004 Microbiology
LA English
SL English

L14 ANSWER 11 OF 14 EMBASE COPYRIGHT 2003 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
AN 90014565 EMBASE
DN 1990014565
TI Heterologous expression of a mutated **toxin** gene from **Bacillus** thuringiensis subsp. tenebrionis.
AU Rhim S.-L.; Jahn N.; Schnetter W.; Geider K.
CS Abteilung Molekulare Biologie, Max-Planck-Institut, fur Medizinische Forschung, Jahnstr. 29,D-6900 Heidelberg, Germany
SO FEMS Microbiology Letters, (1990) 66/1-3 (95-100).
ISSN: 0378-1097 CODEN: FMLED7
CY Netherlands
DT Journal; Article
FS 004 Microbiology
LA English
SL English

L14 ANSWER 12 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1999:322259 BIOSIS
DN PREV199900322259
TI Disruption of anthrax **toxin** binding with the use of human antibodies and competitive inhibitors.
AU Cirino, Nick M.; Sblattero, Daniele; Allen, David; Peterson, Scott R.; Marks, James D.; Jackson, Paul J.; Bradbury, Andrew; Lehnert, Bruce E. (1)
CS (1) Los Alamos National Laboratory, Los Alamos, NM, 87545 USA
SO Infection and Immunity, (June, 1999) Vol. 67, No. 6, pp. 2957-2963.
ISSN: 0019-9567.
DT Article
LA English
SL English

L14 ANSWER 13 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1998:408315 BIOSIS
DN PREV199800408315
TI **Phage** display of a biologically active **Bacillus** thuringiensis **toxin**.
AU Kasman, Laura M.; Lukowiak, Andrew A.; Garczynski, Stephen F.; McNall, Rebecca J.; Youngman, Phil; Adang, Michael J. (1)
CS (1) Dep. Entomol., Univ. Ga., Athens, GA 30602 USA
SO Applied and Environmental Microbiology, (Aug., 1998) Vol. 64, No. 8, pp. 2995-3003.
ISSN: 0099-2240.
DT Article
LA English

L14 ANSWER 14 OF 14 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1987:462238 BIOSIS
DN BA84:107678
TI CLONING OF THE GENE FOR THE LARVICIDAL **TOXIN** OF **BACILLUS** -SPHAERICUS 2362 EVIDENCE FOR A FAMILY OF RELATED SEQUENCES.
AU BAUMANN P; BAUMANN L; BOWDITCH R D; BROADWELL A H
CS DEP. BACTERIOL., UNIV. CALIFORNIA, DAVIS, CALIF. 95616.
SO J BACTERIOL, (1987) 169 (9), 4061-4067.
CODEN: JOBAAY. ISSN: 0021-9193.
FS BA; OLD
LA English

L6 ANSWER 3 OF 4 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
AN 1998:415855 BIOSIS
DN PREV199800415855
TI Attempted identification of **Bacillus** anthracis lethal **toxin** target using **phage display** technology.
AU Dixon, T. C.; Hanna, P. C.
CS Duke Univ. Med. Cent., Durham, NC USA
SO Abstracts of the General Meeting of the American Society for Microbiology, (1998) Vol. 98, pp. 103.
Meeting Info.: 98th General Meeting of the American Society for Microbiology Atlanta, Georgia, USA May 17-21, 1998 American Society for Microbiology
. ISSN: 1060-2011.
DT Conference
LA English
CC Biochemical Studies - Proteins, Peptides and Amino Acids *10064
Biochemical Methods - Proteins, Peptides and Amino Acids *10054
Toxicology - General; Methods and Experimental *22501
Physiology and Biochemistry of Bacteria *31000
Microbiological Apparatus, Methods and Media *32000
General Biology - Symposia, Transactions and Proceedings of Conferences, Congresses, Review Annuals *00520
BC Inoviridae 02703
Endospore-forming Gram-Positives 07810
IT Major Concepts
Biochemistry and Molecular Biophysics; Toxicology
IT Chemicals & Biochemicals
protein: identification; Lethal Toxin
IT Methods & Equipment
phage display technology: analytical method
IT Miscellaneous Descriptors
Meeting Abstract; Meeting Poster
ORGN Super Taxa
Endospore-forming Gram-Positives: Eubacteria, Bacteria, Microorganisms; Inoviridae: Bacterial Viruses, Viruses, Microorganisms
ORGN Organism Name
Bacillus-anthracis (Endospore-forming Gram-Positives); M13 (Inoviridae)
ORGN Organism Superterms
Bacteria; Bacterial Viruses; Eubacteria; Microorganisms; Viruses